

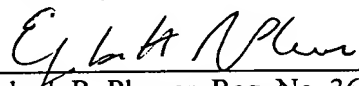
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Titus KALETTA et al  
Serial No: 09/857,478  
Filed: June 5, 2001  
International Application No.: PCT/US99/09710  
International Filing Date: 07 December 1999 (07.12.99)  
Priority Date Claimed: 07 December 1998 (07.12.98)  
For: METHOD FOR CONSTRUCTING LIBRARIES OF  
PHENOTYPIC PROFILES

PTO/PCT Rec'd 17 AUG 2001

## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to the Box PCT, Commissioner for Patents, Washington, D.C. 20231, on August 13, 2001.

  
Elizabeth R. Plumer, Reg. No. 36,637

BOX PCT  
COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

TRANSMITTAL LETTER

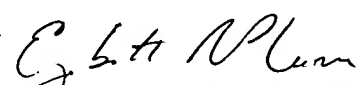
Transmitted herewith is/are the following document(s):

- ☒ Declaration
- ☒ Copy of Notification of Missing Requirements Under 35 U.S.C. 371
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617)720-3500, Boston, Massachusetts.

A check in the amount of \$130.00 is enclosed to cover the surcharge fee. If the fee is insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,

  
Elizabeth R. Plumer, Reg. No. 36,637  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210-2211  
Telephone No.: (617)720-3500

Attorney Docket No.: D0590/7019 ERP  
Date: August 13, 2001  
x09/27/01x

**U. S. Patent & Trademark Office**  
**Worksheet for Processing Multiple Fee Payments**  
**(Suspended Amounts)**

**Accounting Date Processed**

07-27-01

**RAM Sequence #**

FROM Location	RAM Used	Due Date Name/Number	Suspense Fee Code	Amount Suspended	(TO) Location	Date Sent
OPR	AAHMBD1	09807462	999	\$120	01PE	07-27-01
			999	\$		
			999	\$		
			999	\$		

As below named inventor, I hereby declare

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### ORAL PULSED DOSE DRUG DELIVERY SYSTEM

the specification of which [ ] is attached hereto or [X] was filed on April 11, 2001 as Application Serial No. .09/807,462

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s):

Priority Claimed

Yes No

☐ ☐

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, Section(s) 119 and/or 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/US99/24554</u> (Application Serial No.)	<u>20 October 1999</u> (Filing Date)	<u>Abandoned</u> (Status)
<u>US 09/176,542</u> (Application Serial No.)	<u>21 October 1998</u> (Filing Date)	<u>Pending</u> (Status)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); William Squire (Reg. No. 25,378); and Alan J. Grant (Reg. No. 33,389). Address correspondence and telephone calls to:

Raymond J. Lillie, Esq. c/o Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 - (973) 994-1700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Beth A. Burnside

Inventor's signature: Beth A. Burnside Date: 25 Jun 01

Residence: 1808 Briggs Chaney Road, Silver Spring, Maryland 20905 Citizenship: U.S.A.

Post Office Address: same

Full name of second joint inventor: Xiaodi Guo

Inventor's signature: Xiaodi Guo Date: 10 July 01

Residence: 7201 Dubuque Court, Derwood, Maryland 20855 Citizenship: USA

Post Office Address: same

Full name of third joint inventor: Kimberly J. Fike

Inventor's signature: Kimberly J. Fike Date: 11 Jul 01

Residence: 4858 W Braddock Rd #30 Alexandria, VA 22311  
7479 Hickory Log Circle, Columbia, Maryland 21046

Citizenship: USA

Post Office Address: same

11 Jul 01

Full name of fourth joint inventor: Richard A. Couch

Inventor's signature: Richard A. Couch Date: 02-JUL-01

Residence: 7620 Old Georgetown Road, Apt. 1021, Bethesda Maryland 20814

Citizenship: USA

Post Office Address: same

Full name of fifth joint inventor: Donald J. Treacy

Inventor's signature: Donald J. Treacy Date: 05 JUNE 01

Residence: 1335 Farley Court, Arnold, Maryland 21012

Citizenship: USA

Post Office Address: same

Full name of sixth joint inventor: Rong-Kun Chang

Inventor's signature: Rongkun Chang Date: 7/3/01

Residence: 306 Springbrood Court, Hockessin, Delaware 19707

Citizenship: USA

Post Office Address: same

Full name of seventh joint inventor: Charlotte M. McGuinness

Inventor's signature: Charlotte M. McGuinness Date: 18 June 01

Residence: 6510 Broxborn Drive, Bethesda, Maryland 20817

Citizenship: USA

Post Office Address: same

Full name of eighth joint inventor: Edward M. Rudnic

Inventor's signature: Edward M. Rudnic Date: 6/4/01

Residence: 15103 Gravenstein Way, North Potomac, Maryland 20878

Citizenship: USA

Post Office Address: same

JC19 d PCT/PTO 0 5 JUN 2001

FORM PTO-1390  
(REV. 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER  
D0590/7019

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  
**09/857478**

PRIORITY DATE CLAIMED  
07 December 1998 (07.12.98)

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.  
PCT/EP99/09710

INTERNATIONAL FILING DATE  
07 December 1999 (07.12.99)

TITLE OF INVENTION

METHOD FOR CONSTRUCTING LIBRARIES OF PHENOTYPIC PROFILES

APPLICANT(S) FOR DO/EO/US

KALETTA, Titus; FEICHTINGER, Richard; VAN POUCKE, Jonas; VAN GEEL, Anton; APPELMANS, Saskia; VAN CRIEKINGE, Wim; BOGAERT, Thierry

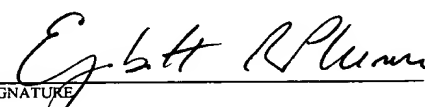

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the earliest claimed priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. To 16. Below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - Copy of PCT Published Application without International Search Report
  - Copy of PCT Published Application with International Search
  - Copy of International Search Report
  - Copy of International Preliminary Examination Report
  - Substitute Application to include priority claim
  - Express-Mail Label No. EL840386955US
  - Date Mailed: June 5, 2001

JC18 Rec'd PCT/PTO 0 5 JUN 2001

U.S. APPLICATION NO. <b>09/857478</b>		INTERNATIONAL APPLICATION PCT/EP99/09710		ATTORNEY'S DOCKET NUMBER D0590/7019	
21. <input checked="" type="checkbox"/> The Following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO <span style="float:right">\$1000.00</span>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO <span style="float:right">\$860.00</span>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO out but international search fee paid to USPTO (37 CFR 1.445(a)(2)), paid to USPTO <span style="float:right">\$710.00</span>  International preliminary examination fee paid to USPTO (37 CFR 1.482) But all claims did not satisfy provisions of PCT Article 33(1)-(4) <span style="float:right">\$690.00</span>  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) <span style="float:right">\$100.00</span> <b>ENTER APPROPRIATE BASIC FEE AMOUNT = 860.00</b>				CALCULATIONS <small>PTO USE ONLY</small>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	16-20 =		X \$18.00	\$	
Independent Claims	7- 3 =	4	X \$80.00	\$320.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$270.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>= \$1180.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL</b>				<b>= \$1180.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE</b>				<b>= \$1180.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate coversheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED</b>				<b>= \$1180.00</b>	
				Amount to be:	\$
				refunded	
				charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1180.00</u> To cover the above fees is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. _____ In the amount of \$ _____ To cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed          and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO:  WOLF, GREENFIELD & SACKS, P.C. 600 Atlantic Avenue Boston, Massachusetts 02210 Tel: (617) 720-3500			<div style="text-align:right;">             SIGNATURE             Elizabeth R. Plumer            NAME             36,637            REGISTRATION NO.         </div>		
 <b>23628</b>					
CUSTOMER NUMBER					